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Form PTO-1449 (Rev. 8-88) OCT 28 2002 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Attorney Docket No. 1990.65934	Serial No. 10/045,738
	Applicant: Ichihara et al.	
	Filing Date: October 29, 2001	Group No. 2651

U.S. PATENT DOCUMENTS

Examiner initial*	Document No.	Date	Name	Class	Subclass	Filing Date
<i>ad</i>	5 7 5 4 3 5 3	May 19, 1998	Behrens et al.			November 17, 1994
<i>ad</i>	5 8 8 9 8 2 3	March 30, 1999	Agazzi et al.			December 13, 1995
<i>ad</i>	6 1 8 5 1 7 5	February 6, 2001	Zook			December 2, 1998

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Subclass	Translation
						Yes No
EP	0 8 0 1 4 8 4 A2	October 15, 1997	Europe			X
EP	0 8 0 1 4 8 4 A3	January 13, 1999	Europe			X
	1 1 2 3 8 3 2 0	August 31, 1991	Japan			Abs.
	0 9 2 5 1 6 0 4	September 22, 1997	Japan			Abs.
	0 3 2 7 8 3 7 3	December 10, 1991	Japan			Abs.
	0 1 3 0 9 5 4 9	December 13, 1989	Japan			Abs.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ad</i>	CODING TO IMPROVE SNR IN MAGNETIC RECORDING; Conway T., et al., Electronics Letters, IEE Stevenage, GB, Vol. 32, No. 7, March 28, 1996, Pages 621-622

Examiner <i>ad</i>	Date Considered <i>4/19/04</i>
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*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.